

Tag No. 2/1/95 Purpose: Determine total unit concentration of two samples.

Pipemix:

(1)

✓ 335 μ l 2x Reaction Buffer (1.25 mM TAPS, pH 9.13 / 50 mM KCl / 1 mM DTT)
 ✓ 1.3 μ l MgCl_2 @ 1.00 M
 ✓ 92.9 μ l BNA @ 3.5 μ g/ μ l
 ✓ 139.8 μ l H_2O
 ✓ 65 μ l H.C. @ 90.3 cpm/ μ mol

Reaction Buffer:

I. 0.5 M Taps, pH 9.3 180 ml
 FW = 243.3 \therefore 12.165 g
 Titrated with 10 N NaOH

II. For 10 ml @ 2x

✓ 1 ml 0.5 M Taps, pH 9.3 = 50 mM
 ✓ 500 μ l 2 M KCl = 100 mM
 ✓ 40 μ l 0.5 M DTT = 2 mM

Assay @ 72°C, 10 min

	156	U/ μ l
1 μ l of 534 μ l @ 1/40	65413	17.3
2 μ l	113154	15.0
3 μ l	151375	13.4
1 μ l of 54 μ l @ 1/5	44554	1.48
2 μ l	95434	1.58
3 μ l	121699	1.35
1 μ l JH-61 0.1 μ l @ 1/100	19038	

$\bar{X} = 15.2$ U/ μ l
 $\bar{X} = 1.47$ U/ μ l

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Assessed & Understood by me,

R. Olsen

Date

7/12/95

Invented by

Recorded by

Date

5/23/95